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### 1 [Learning to detect phishing emails](#)



Ian Fette, Norman Sadeh, Anthony Tomasic

May 2007 WWW '07: Proceedings of the 16th international conference on World Wide Web

Publisher: ACM

Full text available: [pdf\(235.33 KB\)](#)
[Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 595, Citation Count: 1

Each month, more attacks are launched with the aim of making web users believe that they are communicating with a trusted entity for the purpose of stealing account information, logon credentials, and identity information in general. This attack method, ...

Keywords: email, filtering, learning, phishing, semantic attacks, spam

### 2 [Protecting people from phishing: the design and evaluation of an embedded training email system](#)



Ponnuram Kumaraguru, Yong Rhee, Alessandro Acquisti, Lorrie Faith Cranor, Jason Hong, Elizat Nunge

April 2007 CHI '07: Proceedings of the SIGCHI conference on Human factors in computing system

Publisher: ACM

Full text available: [pdf\(1.16 MB\)](#)
[Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 75, Downloads (12 Months): 557, Citation Count: 1

Phishing attacks, in which criminals lure Internet users to websites that impersonate legitimate are occurring with increasing frequency and are causing considerable harm to victims. In this paper we describe the design and evaluation of an embedded ...

Keywords: email, embedded training, phishing, situated learning, usable privacy and security

### 3 [Attacking information visualization system usability overloading and deceiving the human](#)



Gregory Conti, Mustaque Ahamad, John Stasko

July 2005 SOUPS '05: Proceedings of the 2005 symposium on Usable privacy and security

Publisher: ACM

Full text available: [pdf\(582.30 KB\)](#)
[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 235, Citation Count: 2

Information visualization is an effective way to easily comprehend large amounts of data. For such systems to be truly effective, the information visualization designer must be aware of the ways

which their system may be manipulated and protect their ...

**Keyw ords:** denial of information, information visualization, malicious visualizations, secure visualization, usability attacks

#### 4 Wireless hotspots: current challenges and future directions



Anand Balachandran, Geoffrey M. Voelker, Paramvir Bahl

September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available: pdf(117.89 KB)

**Additional Information:** full citation, abstract, references, cited by, index term

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 194, Citation Count: 5

In recent years, wireless Internet service providers (WISPs) have established Wi-Fi hotspots in increasing numbers at public venues, providing local coverage to traveling users and empowering them with the ability to access email, Web, and other Internet ...

#### 5 Client certificate and IP address based multi-factor authentication for J2EE web application



Heesun Park, Stan Redford

October 2007 CASCON '07: Proceedings of the 2007 conference of the center for advanced studies Collaborative research

Publisher: ACM

Full text available: pdf(102.86 KB)

**Additional Information:** full citation, abstract, references

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 131, Citation Count: 0

Secure and encrypted authentication is an important aspect of J2EE web application security. SSL client certificate authentication provides an encrypted log-on mechanism and a single sign-on capability that does not involve the use of passwords. Unlike ...

**Keyw ords:** IP address checking, J2EE web application, SSL client certificate, certificate based authentication, multi-factor authentication

#### 6 Survivability analysis of networked systems

Somesh Jha, Jeannette M. Wing

July 2001 ICSE '01: Proceedings of the 23rd International Conference on Software Engineering

Publisher: IEEE Computer Society

Full text available: pdf(165.16 KB)

**Publisher Site** **Additional Information:** full citation, abstract, references, cited by terms

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 64, Citation Count: 5

*Survivability is the ability of a system to continue operating despite the presence of abnormal events such as failures and intrusions. Ensuring system survivability has increased in importance as critical infrastructures have become heavily dependent ...*

#### 7 Googling considered harmful



Gregory Conti

September 2006 NSPW '06: Proceedings of the 2006 workshop on New security paradigms

Publisher: ACM

Full text available: pdf(138.73 KB)

**Additional Information:** full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 68, Downloads (12 Months): 454, Citation Count: 0

Virtually every Internet user on the planet uses the powerful free tools offered by a handful of information service providers in many aspects of their personal and professional lives. As a result users and organizations are freely providing unprecedented ...

**Keywords:** AOL, Google, anonymity, anonymization, fingerprinting, googling, information disclosure, privacy, search, usable security

## 8 [Should spam be on the menu?](#)



Janice C. Sipiior, Burke T. Ward, P. Gregory Bonner

June 2004 Communications of the ACM, Volume 47 Issue 6

Publisher: ACM

Full text available: [pdf\(96.59 KB\)](#) [html\(26.71 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by terms](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 229, Citation Count: 1

Email marketing is an excellent, low-cost way to reach consumers, but spammers are currently much of its potential. The challenge is to develop an email marketing process that is consensual, efficient, and constitutional.

## 9 [Dynamic pharming attacks and locked same-origin policies for web browsers](#)



Chris Kariot, Umesh Shankar, J. D. Tygar, David Wagner

October 2007 CCS '07: Proceedings of the 14th ACM conference on Computer and communications security

Publisher: ACM

Full text available: [pdf\(504.43 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 101, Downloads (12 Months): 467, Citation Count: 0

We describe a new attack against web authentication, which we call *dynamic pharming*. Dynamic pharming works by hijacking DNS and sending the victim's browser malicious Javascript, which exploits DNS rebinding vulnerabilities and the name-based ...

**Keywords:** pharming, same-origin policy, web authentication

## 10 [Web wallet: preventing phishing attacks by revealing user intentions](#)



Min Wu, Robert C. Miller, Greg Little

July 2006 SOUPS '06: Proceedings of the second symposium on Usable privacy and security

Publisher: ACM

Full text available: [pdf\(379.56 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 279, Citation Count: 4

We introduce a new anti-phishing solution, the Web Wallet. The Web Wallet is a browser sidebar which users can use to submit their sensitive information online. It detects phishing attacks by determining where users intend to submit their information ...


**Keywords:** e-commerce, user interface design, user study, world wide web and hypermedia

## 11 [Decision strategies and susceptibility to phishing](#)

Julie S. Downs, Mandy B. Holbrook, Lorrie Faith Cranor

July 2006 SOUPS '06: Proceedings of the second symposium on Usable privacy and security

 Publisher: ACM

Full text available:  [pdf\(266.61 KB\)](#)

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 311, Citation Count: 5

Phishing emails are semantic attacks that con people into divulging sensitive information using techniques to make the user believe that information is being requested by a legitimate source. order to develop tools that will be effective in combating ...

Keywords: mental models, phishing, qualitative methods

## 12 [Johnny 2: a user test of key continuity management with S/MIME and Outlook Express](#)

 Simson L. Garfinkel, Robert C. Miller

July 2005 SOUPS '05: Proceedings of the 2005 symposium on Usable privacy and security

Publisher: ACM

Full text available:  [pdf\(665.63 KB\)](#)

Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 143, Citation Count: 6

Secure email has struggled with significant obstacles to adoption, among them the low usability encryption software and the cost and overhead of obtaining public key certificates. Key continuity management (KCM) has been proposed as a way to lower ...


Keywords: Usability, e-commerce, user interaction design, user studies


## 13 [Certified mail: the next challenge for secure messaging](#)

 Rolf Oppliger

August 2004 Communications of the ACM, Volume 47 Issue 8

Publisher: ACM


Full text available:  [pdf\(88.44 KB\)](#)

 [html\(25.71 KB\)](#) Additional Information: full citation, abstract, references, index term

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 112, Citation Count: 0

The lack of evidence for message receipt is a missing piece of the infrastructure required for the professional use of email.

## 14 [The battle against phishing: Dynamic Security Skins](#)

 Rachna Dhamija, J. D. Tygar

July 2005 SOUPS '05: Proceedings of the 2005 symposium on Usable privacy and security

Publisher: ACM


Full text available:  [pdf\(398.10 KB\)](#)

Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 57, Downloads (12 Months): 512, Citation Count: 16

Phishing is a model problem for illustrating usability concerns of privacy and security because by system designers and attackers battle using user interfaces to guide (or misguide) users. We present a new scheme, Dynamic Security Skins, that allows ...

## 15 [Cantina: a content-based approach to detecting phishing web sites](#)

 Yue Zhang, Jason I. Hong, Lorrie F. Cranor

May 2007 WWW '07: Proceedings of the 16th international conference on World Wide Web

Publisher: ACM

Full text available:  [pdf\(782.94 KB\)](#)

Additional Information: full citation, abstract, references, index terms


Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 429, Citation Count: 3

Phishing is a significant problem involving fraudulent email and web sites that trick unsuspecting into revealing private information. In this paper, we present the design, implementation, and evaluation of CANTINA, a novel, content-based approach ...

**Keywords:** TF-IDF, anti-phishing, evaluation, phishing, toolbar

# 16 MobileNAT: a new technique for mobility across heterogeneous address spaces

Milind Buddhikot, Adiseshu Hari, Kundan Singh, Scott Miller  
June 2005 Mobile Networks and Applications, Volume 10 Issue 3  
Publisher: Kluwer Academic Publishers

Full text available:  pdf(1.60 MB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 87, Citation Count: 0

We propose a new network layer mobility architecture called MOBILENAT to efficiently support n and macro-mobility in and across heterogeneous address spaces common in emerging public networks. The key ideas in this architecture are as follows: (1) ...

**Keywords:** MOBILENAT, design, experimentation, mobility

# 17 Social phishing



Tom N. Jagatic, Nathaniel A. Johnson, Markus Jakobsson, Filippo Menczer  
October 2007 Communications of the ACM, Volume 50 Issue 10  
Publisher: ACM

Full text available:  pdf(204.74 KB)  html(33.37 KB)

**Additional Information:** [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 148, Downloads (12 Months): 1899, Citation Count: 0

Sometimes a "friendly" email message tempts recipients to reveal more online than they otherwise would, playing right into the sender's hand.

# 18 MobileNAT: a new technique for mobility across heterogeneous address spaces



Milind Buddhikot, Adiseshu Hari, Kundan Singh, Scott Miller  
September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots  
Publisher: ACM

Full text available:  pdf(303.26 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation Count: 0

We propose a new network layer mobility architecture called MobileNAT to efficiently support micro and macro-mobility in and across heterogeneous address spaces common in emerging public networks. The key ideas in this architecture are as follows: (1) ...

**Keywords:** MobileNAT, mobility

# 19 Wireless hotspots: current challenges and future directions

Anand Balachandran, Geoffrey M. Voelker, Paramvir Bahl  
June 2005 Mobile Networks and Applications, Volume 10 Issue 3  
Publisher: Kluwer Academic Publishers

Full text available:

**Additional Information:**

 pdf(780.01 KB)

[full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 69, Downloads (12 Months): 371, Citation Count: 2

In recent years, wireless Internet service providers (WISPs) have established Wi-Fi hotspots in increasing numbers at public venues, providing local coverage to traveling users and empowering them with the ability to access email, Web, and other Internet ...

**Keywords:** deployment, performance

## 20 PHONEY: Mimicking User Response to Detect Phishing Attacks

Madhusudhanan Chandrasekaran, Ramkumar Chinchani, Shambhu Upadhyaya

June 2006 WOWMOM '06: Proceedings of the 2006 International Symposium on on World of Wireless Mobile and Multimedia Networks

Publisher: IEEE Computer Society

Full text available:  pdf(348.62 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 114, Citation Count: 0





Phishing scams pose a serious threat to end-users and commercial institutions alike. Email continues to be the favorite vehicle to perpetrate such scams mainly due to its widespread use combined with the ability to easily spoof them. Several approaches, ...

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